

Patent Abstracts of Japan

PUBLICATION NUMBER : 08252447
PUBLICATION DATE : 01-10-96

APPLICATION DATE : 20-03-95
APPLICATION NUMBER : 07087342

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INT.CL. : B01F 17/22 A61K 7/00 C08F220/54

TITLE : EMULSIFYING AGENT COMPRISING WATER-SOLUBLE AMPHIPHILIC POLYMERIC ELECTROLYTE, EMULSION COMPOSITION AND EMULSION COSMETIC BLENDED WITH THE AGENT

ABSTRACT : PURPOSE: To obtain an emulsifying agent in which emulsification stability and safety are excellent by copolymerizing a (meth)acrylamidoalkylsulfonic acid and/or its salt with an N-substituted (meth)acrylamide and producing a water-soluble amphiphilic polymer electrolyte.

CONSTITUTION: A (meth)acrylamidoalkylsulfonic acid such as (meth)acrylamidomethanesulfonic acid and/or its salt and an N-substituted (meth)acrylamide such as cyclohexylacrylamide are copolymerized. A water-soluble amphiphilic polymer electrolyte is obtained by neutralizing the obtained copolymer by an alkali agent. When the obtained electrolyte is used as an emulsifying agent, emulsion composition and emulsion cosmetics whose stability and usability are good are obtained. Further, the (meth)acrylamidoalkylsulfonic acid unit and the N-substituted (meth)acrylamide unit are contained respectively at the amount of $\geq 15\text{wt.}\%$ and $\geq 40\text{wt.}\%$ based on the whole.

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